

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/011491

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F01L9/04 F16K31/06 H01F7/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01L F16K H01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 196 28 860 A1 (BAYERISCHE MOTOREN WERKE AG, 80809 MUENCHEN, DE) 22 January 1998 (1998-01-22) column 2, lines 43-62; figure 1 -----	1-3
A	EP 1 136 660 A (MAGNETI MARELLI S.P.A.) 26 September 2001 (2001-09-26) paragraph '0021!; figure 1 -----	1,2
A	DE 102 33 043 A1 (DAIMLERCHRYSLER AG) 5 February 2004 (2004-02-05) paragraph '0022!; figures 2,3 -----	1
A	US 2003/177989 A1 (BAKER MARK S) 25 September 2003 (2003-09-25) paragraph '0027!; figure 1 -----	1
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## ° Special categories of cited documents :

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

19 September 2005

Date of mailing of the international search report

23/09/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 106 793 A (SUMITOMO ELECTRIC INDUSTRIES, LTD) 13 June 2001 (2001-06-13) paragraph '0080!; figure 2 -----	1
A	US 4 515 343 A (PISCHINGER ET AL) 7 May 1985 (1985-05-07) column 6, lines 1-21; figure 7 -----	1
A	DE 39 11 496 A1 (BAYERISCHE MOTOREN WERKE AG, 8000 MUENCHEN, DE; BAYERISCHE MOTOREN WER) 11 October 1990 (1990-10-11) column 3, lines 19-31; figure 1 -----	1

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/011491

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19628860	A1	22-01-1998	NONE	
EP 1136660	A	26-09-2001	BR 0101003 A IT B020000127 A1 US 2001037778 A1	06-11-2001 10-09-2001 08-11-2001
DE 10233043	A1	05-02-2004	NONE	
US 2003177989	A1	25-09-2003	NONE	
EP 1106793	A	13-06-2001	JP 2002038912 A US 2001006047 A1	06-02-2002 05-07-2001
US 4515343	A	07-05-1985	NONE	
DE 3911496	A1	11-10-1990	NONE	